



- ✓ LEADERSHIP
- ✓ TEAMWORK
- ✓ COMMUNICATION



INNOVATION



*“the action or process of
innovating”*

-Google

“make changes in something established, especially by introducing new methods, ideas, or products”

-Oxford Dictionary







Available on
iTunes





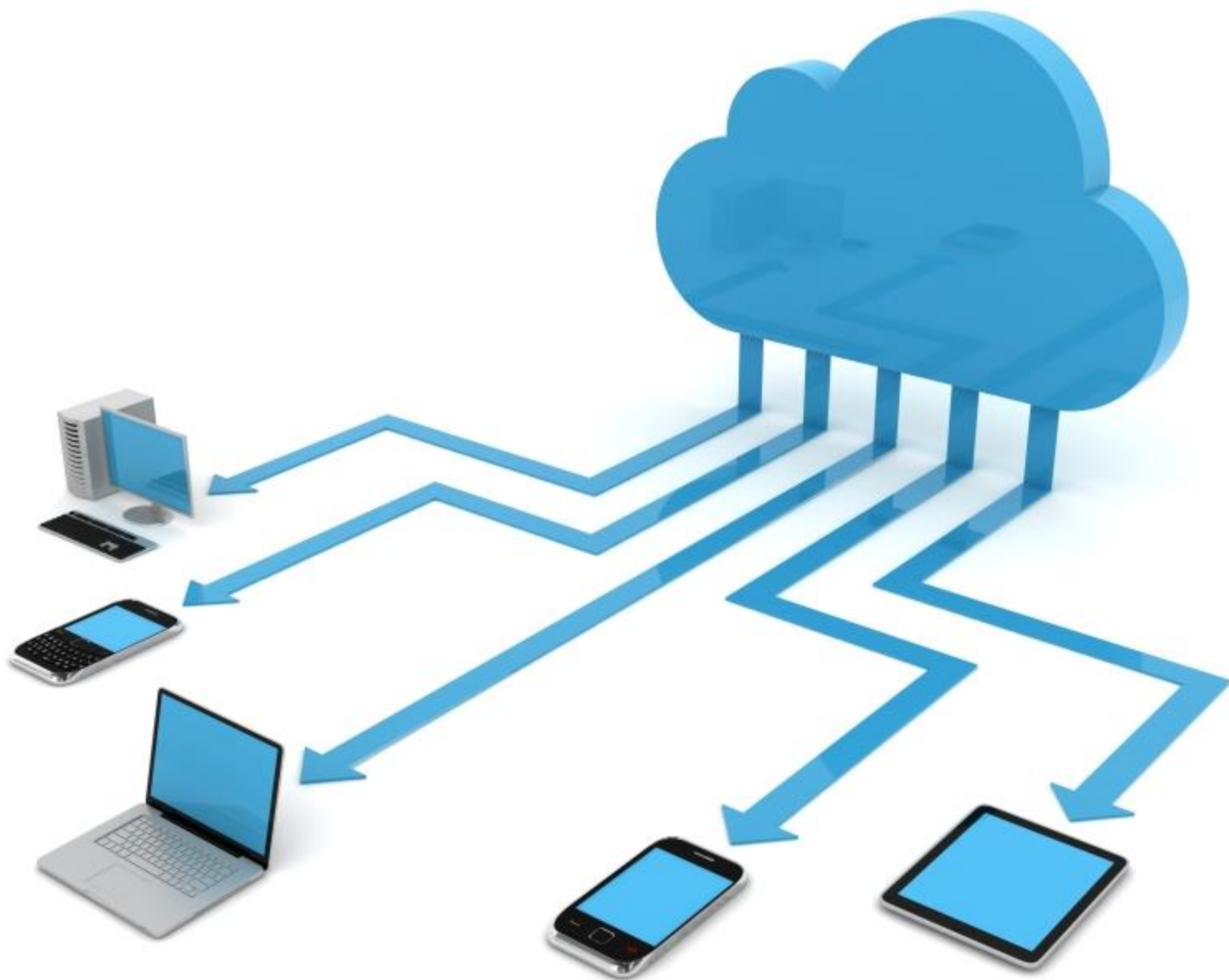


Dialing...























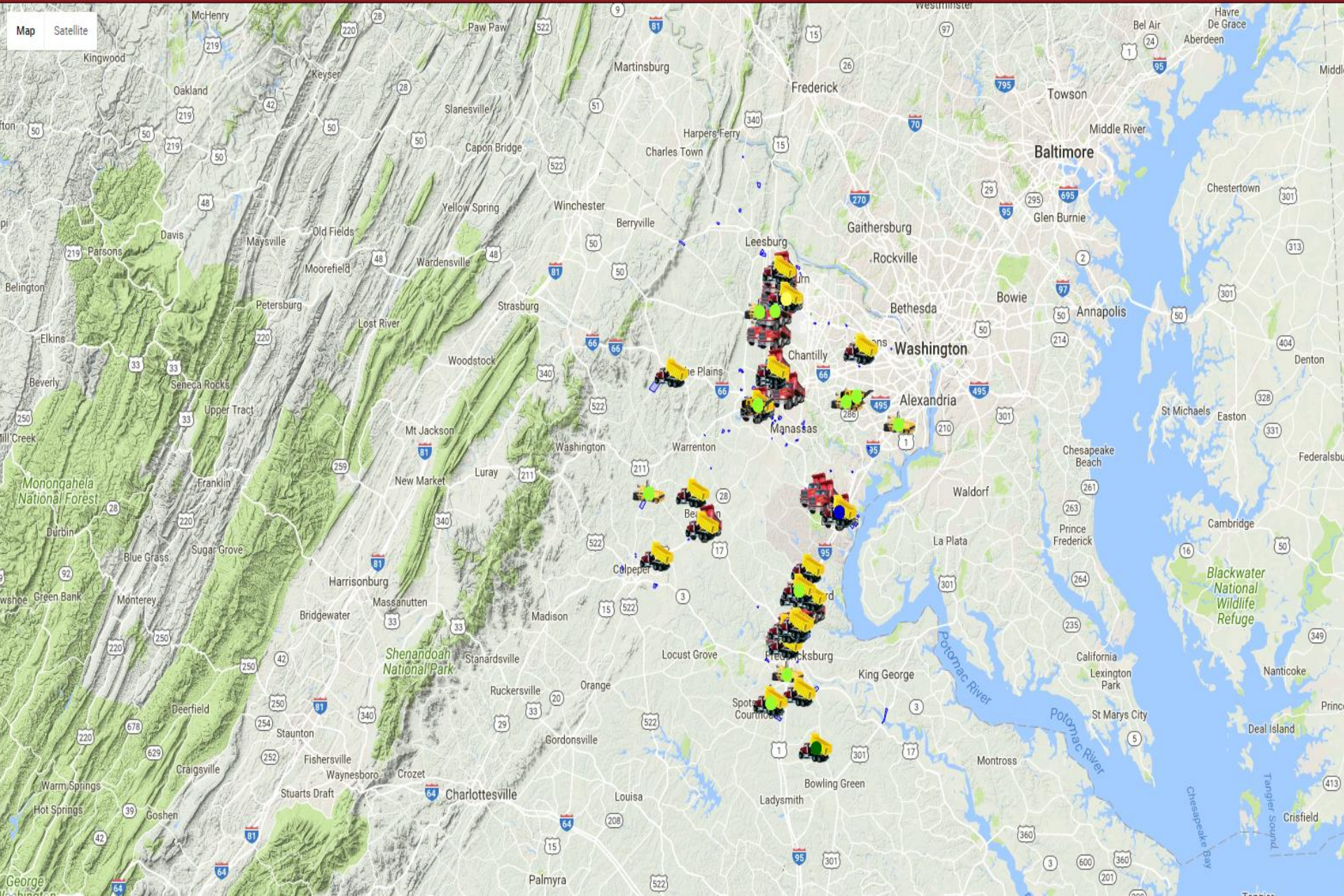


Rogers O'Brien
CONSTRUCTION





	A	B	C	D	E	F	G	H
14								
15	Description	Crew 1	Crew 2	FOB	Crew 1		Crew 2	
16	Tons scheduled to be placed today (tons)	1500	950	1000	Cost/cycle	102.60	Cost/cycle	61.56
17	Hours of paving scheduled (hours)	8	8	10	Cost/ton	5.13	Cost/ton	3.078
18	Rate of mix needed (tph)	187.50	118.75	100.0				
19	Rate of mix available from the plant (tph)	475	270.00	151.25	Cycles/truck	5.05	Cycles/truck	8.42
20	Remaining Plant Capacity (tph)	287.50	151.25	51.25	Cycles required	75	Cycles required	47.5
21	Average truck capacity (net tons)	20	20		Trucks required	14.8	Trucks required	5.6
22	Total trucks needed (trips)	75	47.5		Efficiency %	63%	Efficiency %	56%
23	Truck cycle (minutes)							
24	Prep/Wait	10	0					
25	Load Time	5	5					
26	Ticket & Tarp	5	5		Haul to job: d = r * t			
27	Haul to Job	30	16		Crew 1			
28	Wait on site	10	10		Distance (miles)	15		
29	Dump/Clean-Up	5	5		Rate (mph)	30		
30	Return Haul	30	16		Time (minutes to the job)	30		
31	Total Cycle (minutes)	95	57		Crew 2			
32	Truck cycle (hours)	1.58	0.95		Distance (miles)	8		
33	Number of trips per truck (round down)	5.1	8.4		Rate (mph)	30		
34	Number of trucks needed (round up)	14.8	5.6		Time (minutes to the job)	16		
35								
36								
37								



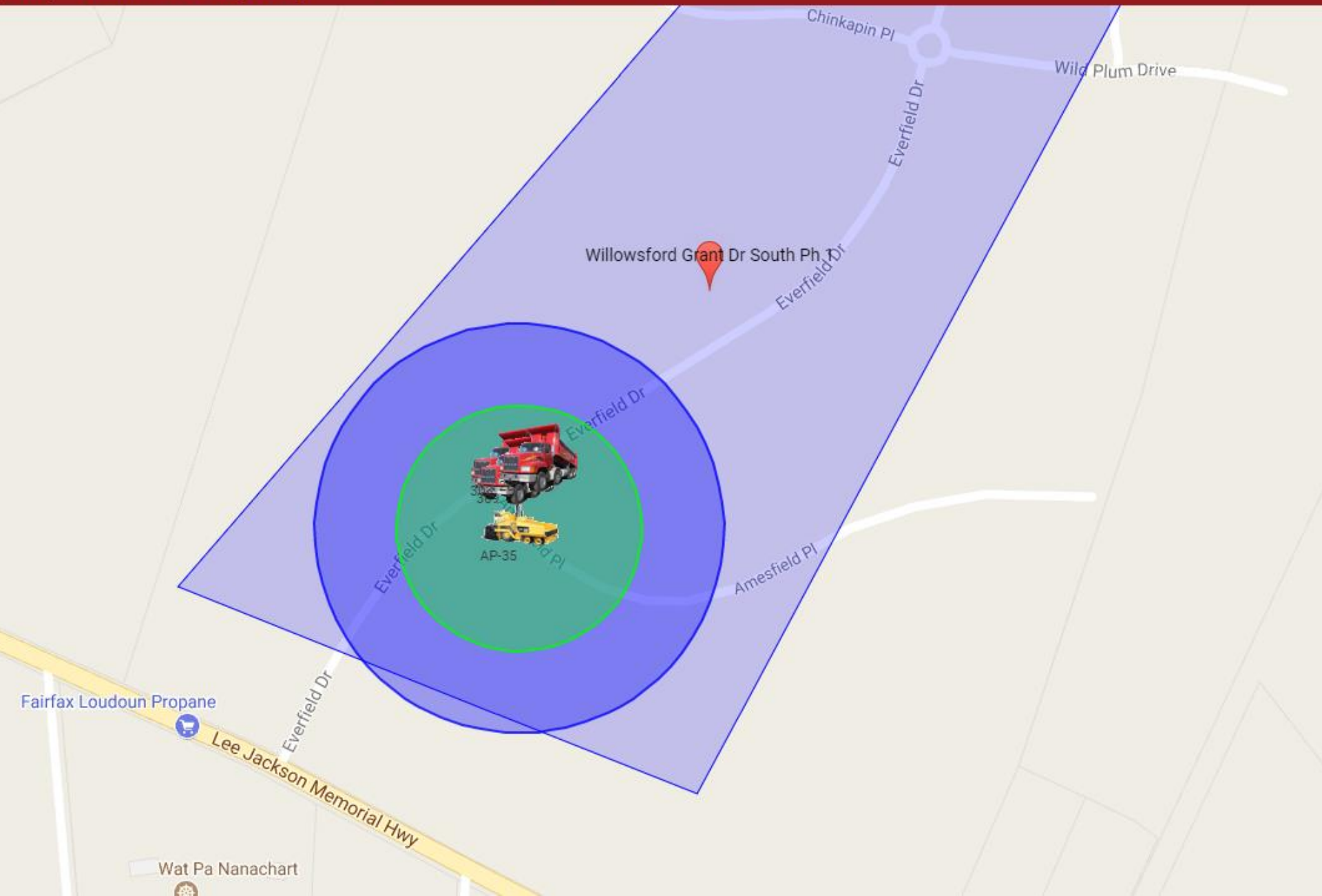


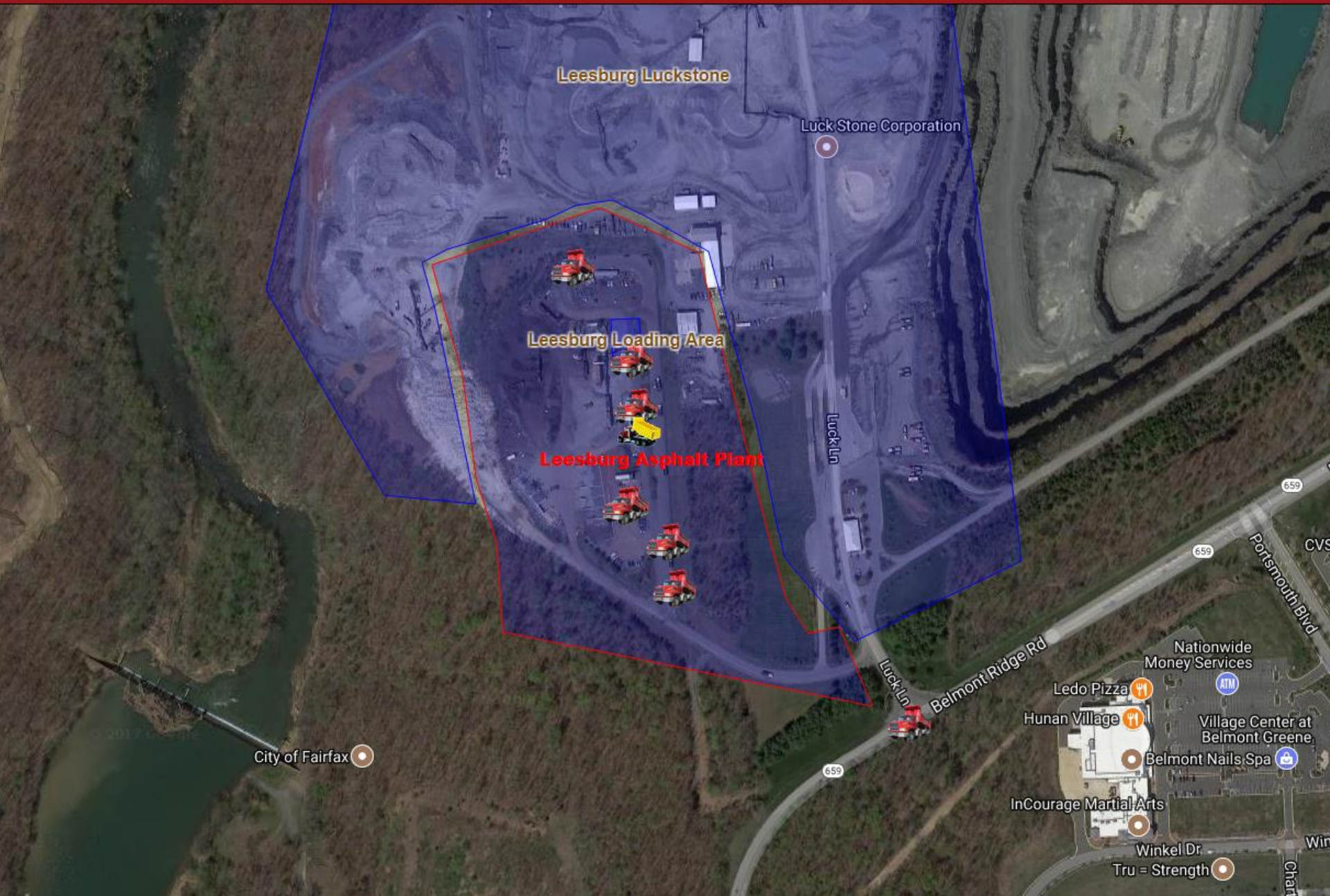
500 ft.) Destination: AP-35 (500 ft.)

13:56 14:34 14:56



3 0 3
S 0 6 D 3
0 0



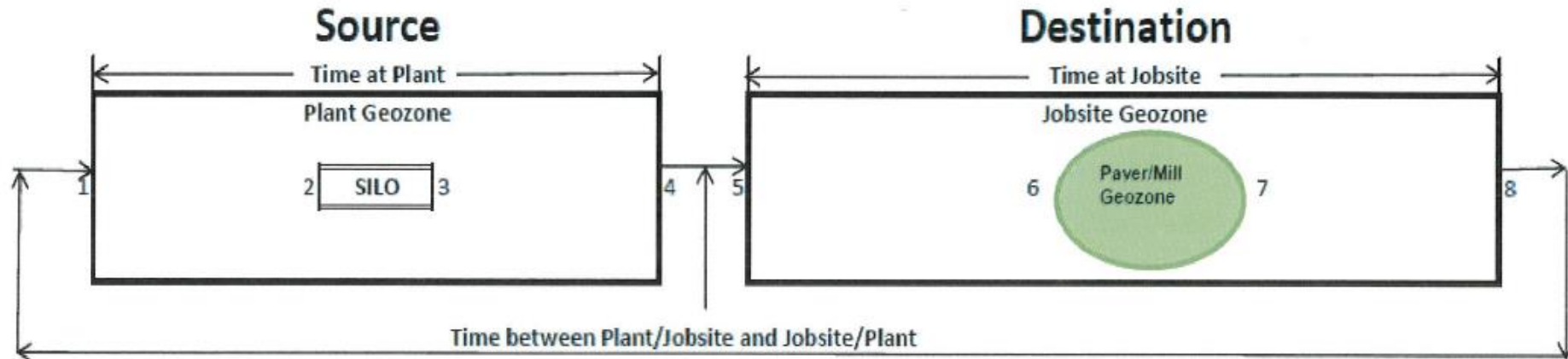




Leesburg Loading Area

Fleetwatcher Load Cycle Analysis - Materials Delivery

Data Collection Points Diagram



Data points collected and durations calculated

1 Arrival at Plant Geozone

2 Arrival at Silo

3 Exit of Silo

4 Exit of Plant Geozone

Duration in Plant Geozone (1-4)

Duration in Silo Geozone (2-3)

Duration and location in Plant Geozone outside of Silo

Duration from Silo (3) to Paver (6)

Cycle Duration

Plant (1) to Plant (1)

Jobsite (5) to Jobsite (5)

5 Arrival at Jobsite Geozone

6 Arrival at Paver Geozone

7 Departure of Paver Geozone

8 Departure of Jobsite Geozone

9 Duration between Leaving Plant (4) and arriving at Jobsite (5)

10 Duration between arriving at Jobsite (5) and Arrival in Paver Geozone (6)

Designates Load Count

Duration in Paver Geozone (6-7)

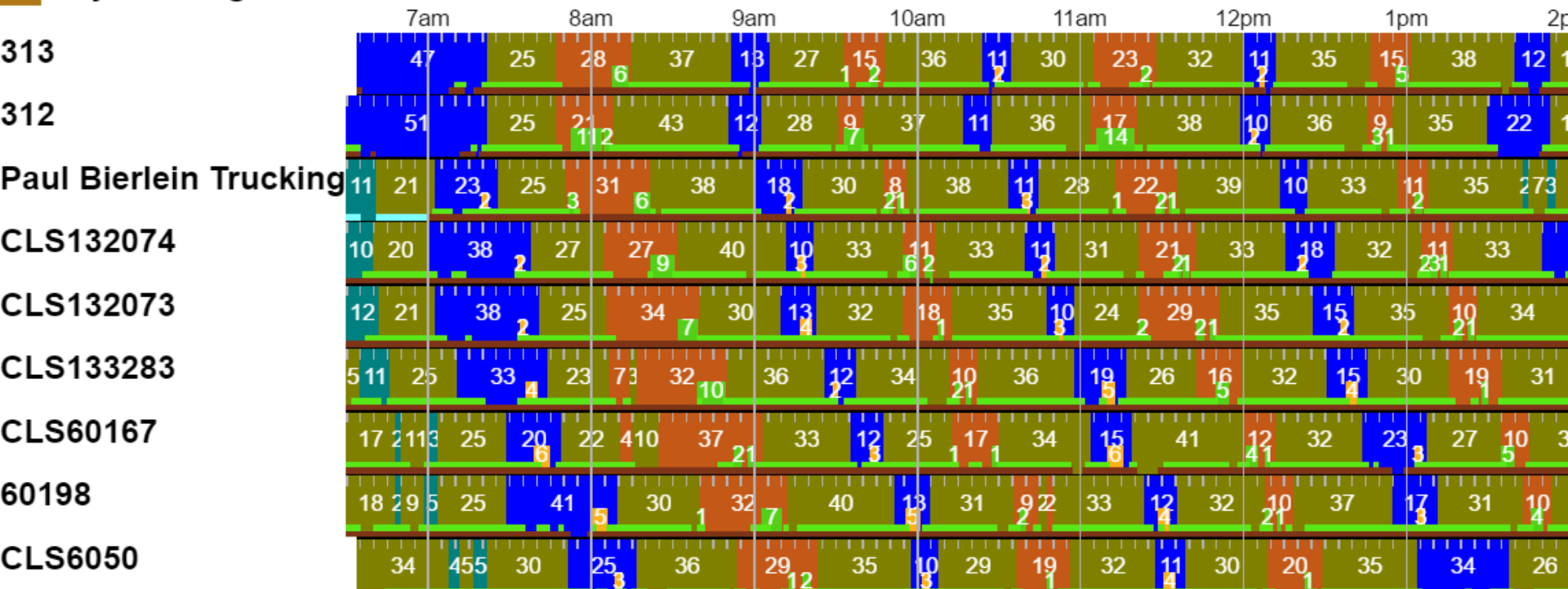
Duration between Paver Geozone (7) exit of Geozone (8)

Duration/location of stops in Jobsite Geozone outside Paver Geozones

Duration in Jobsite Geozone 5-8

Duration between leaving Jobsite (8) and arriving at Plant (1)

- Fredericksburg Asphalt Plant
- Spotsylvania Asphalt Plant
- ((Rt 694 VDOT Order#603 PM6B-966-F17 P401))
- Fredericksburg Loading Area
- Spotsylvania Loading Area
- (AP-36)
- City Asphalt Plant
- City Loading Area



Source Geo-zone: Spotsylvania Asphalt Plant
Destination Geo-zone: AP-39
Report Start Date: 2017-05-02 06:30:00
Report End Date: 2017-05-02 20:59:00

Tabular Report Save Analysis

Travel

Spotsylvania Asphalt Plant
((VDOT# 603 (NFO)PM6B-966-F17 P401))
Spotsylvania Loading Area
(AP-39)
Fredericksburg Asphalt Plant

Engine On
Moving
Transport



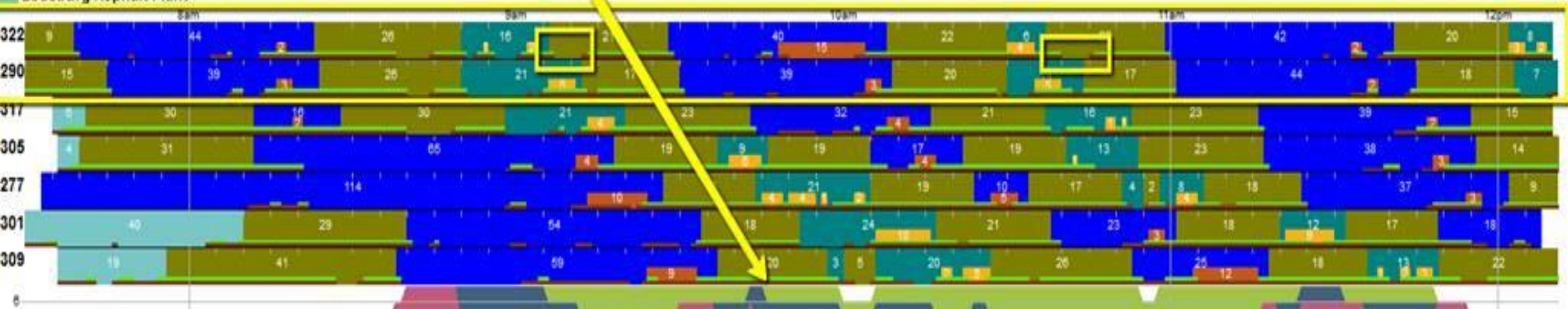
Reload Graph

Source Geo-zone: Centreville Asphalt Plant
Destination Geo-zone: AP-38
Report Start Date: 2017-04-10 07:30:00
Report End Date: 2017-04-10 18:59:00

Tabular Report Save Analysis

Engine On
Moving
Transport

- Travel
- Centreville Asphalt Plant
- ((VDOT Order#905 PM9N-96A-F17, N501))
- Loading Area
- (AP-38)
- Leesburg Asphalt Plant



Source Geo-zone: Fredericksburg Asphalt Plant

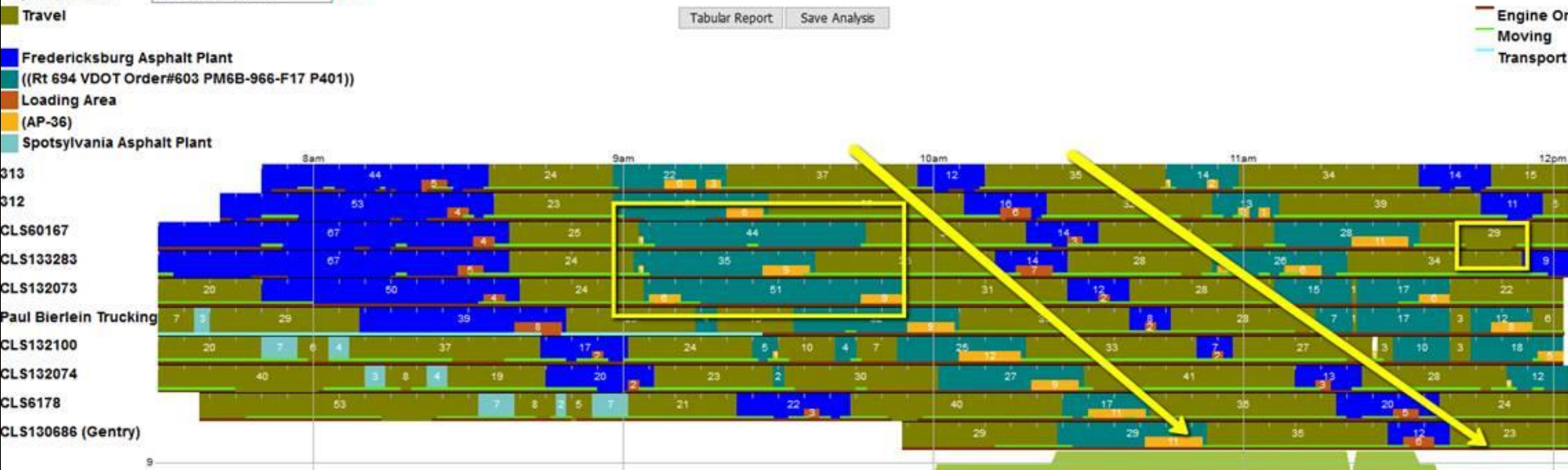
Destination Geo-zone: AP-36

Report Start Date: 2017-04-10 07:30:00

Report End Date: 2017-04-10 18:59:00

Tabular Report Save Analysis

Engine On
Moving
Transport



Reload Graph

Source Geo-zone: Fredericksburg Asphalt Plant
Destination Geo-zone: AP-36
Report Start Date: 2017-04-11 06:30:00
Report End Date: 2017-04-11 18:59:00

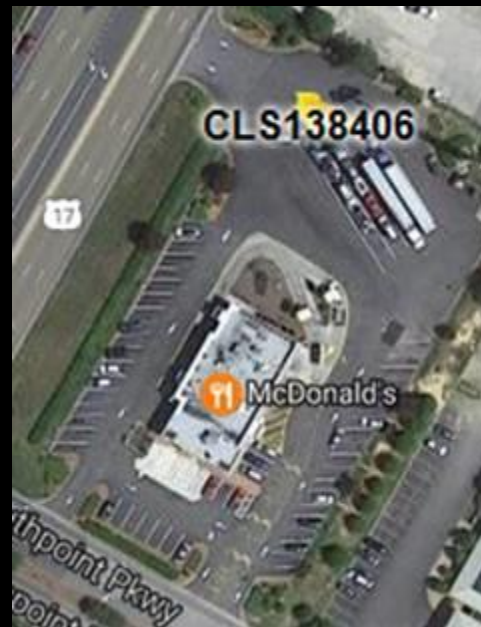
Travel

Tabular Report

Save Analysis

Engine On
Moving
Transport

Fredericksburg Asphalt Plant
((Rt 694 VDOT Order#603 PM6B-966-F17 P401))
Fredericksburg Loading Area
(AP-36)
Spotsylvania Asphalt Plant



Switch to Map View

Statistics & Information

Reload Graph

Equipment

Cumulative Load Count: 20

Follow on Map Info Window Center on Map

307 (Peterbilt 367)

Engine Running

Sep 26 2017 05:03:49PM

Speed: 0.0

Heading: SE

Quadrant: Transit to Source

Last Load

Ticket Date: Sep 26 17 03:57 PM

Ticket Number: 1532257

Phase Code: None

Material Name: 3PH

Net UST: 20.89

Cumulative Tons: 1056.68

Cumulative Load Count: 55

Follow on Map Info Window Center on Map

304 (Peterbilt 367)

Engine Running

Sep 26 2017 01:43:13PM

Speed: 0.0

Heading: NE

Quadrant: Transit to Source

Last Load

Ticket Date: Sep 26 17 12:21 PM

Ticket Number: 1532222

Phase Code: None

Material Name: 3PH

Net UST: 20.79

Cumulative Tons: 661.07

Cumulative Load Count: 34

Follow on Map Info Window Center on Map

277 (Mack CV713)

Engine Running

Sep 26 2017 01:33:14PM

Speed: 0.0

Shift Name

Lenah Mill

Source Geozone

Bull Run Plant

Destination Geozone

AP-38

Report Start Date

Sept. 26, 2017, 6:30 a.m.

Report End Date

Sept. 26, 2017, 8:59 p.m.

Load Count

57

Net Tons

1,098.07

Tabular Report

Shift Notes

Default Legend

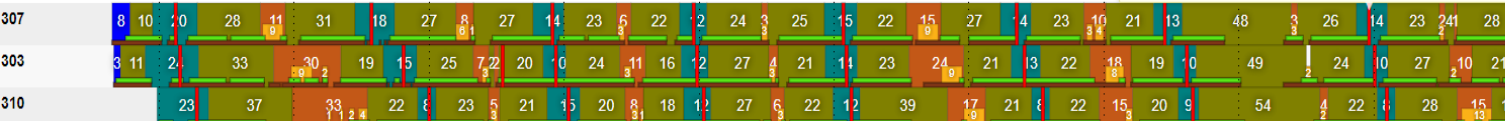
Travel Engine On Moving Transport

Geozone Legend

Centerville Asphalt Plant Bull Run Plant ((Lenah Mill Section 5)) (AP-38) Bull Run Luckstone Culpeper Luckstone Culpeper Asphalt Plant Manassas Asphalt Plant Copper Mill Estates
Centerville Loading Area Leesburg Asphalt Plant Leesburg South Rt 7 & 659 Interchange 6007-053-998, C501 Leesburg Loading Area Superior Paving Headquarters

07 AM 08 AM 09 AM 10 AM 11 AM 12 PM 01 PM 02 PM

Load
3:57pm
Tkt:1532257, Mat:3PH, Net:20.89, Cumulative Tons:1056.68, Cumulative Load Count:55



307 (Peterbilt 367)

Engine Running

Sep 26 2017 05:03:49PM

Speed: 0.0

Heading: SE

Quadrant: Transit to Source

Last Load

Ticket Date: Sep 26 17 03:57 PM

Ticket Number 1532257

Phase Code: None

Matieral Name: 3PH

Net UST: 20.89

Cumulative Tons: 1056.68

Cumulative Load Count:55

[Follow on Map](#)

[Info Window](#)

[Center on Map](#)

304 (Peterbilt 367)

Engine Running

Sep 26 2017 01:43:13PM

Speed: 0.0

Heading: NE

Quadrant: Transit to Source

Last Load

Ticket Date: Sep 26 17 12:21 PM

Ticket Number 1532222

Phase Code: None

Matieral Name: 3PH

Net UST: 20.79

Cumulative Tons: 661.07

Cumulative Load Count:34



[Follow on Map](#)

[Info Window](#)

[Center on Map](#)

277 (Mack CV713)

Engine Running

halt Plant  Manassas Asphalt Plant  Copper Mill Estates

Superior Paving Headquarters

Load

3:57pm

02 PM Tkt:1532257, Mat:3PH , Net:20.89, Cumulative Tons:1056.68, Cumulative Load Count:55

